

Jonte D. Craighead '13 and Michael P. Walsh '13 (left column), Naren P. Tallapragada '12 and Andrew C. Yang '12 (center column), and Brendan T. Deveney '13 and Mary A. Breton '14 (right column) are running for UA President and Vice President, respectively.

Three UA tickets to run this year

Communication with students top priority for all pairs

By Ethan A. Solomon
EXECUTIVE EDITOR

This month, three tickets will vie to be next year's Undergraduate Association President and Vice President: Jonte D. Craighead '13 and Michael P. Walsh '13, Narendra "Naren" P. Tallapragada '13 and Andrew C. Yang '13, and Brendan T. Deveney '13 and Mary A. Breton '14.

Campaigning officially began yesterday, and the campus will vote on April 11-13. This is the first competitive UA President/Vice President campaign since 2010. Last year, Allan E. Miramonti '13 and Alec C. Lai '13 ran unopposed, and neither served out a full term. Current President TyShaun Wynter '13 will not seek another term, and UA Vice Presi-

dent Amanda C. David '13 is only seeking re-election as Class of 2013 president. This campaign is unique in that next year's leadership will take the reins of a newly-restructured UA. Next year's president and vice president will likely need to continue work started last year by then-UA

UA election, Page 12

Orientation report out

REX and FPOPs to remain, other aspects subject to further committee-based review

By Ethan A. Solomon
EXECUTIVE EDITOR

The Review Committee on Orientation (RCO), a broad group charged with evaluating every major aspect of freshman orientation, publicly released its final recommendations yesterday after nearly a year of work. The RCO stopped short of suggesting a genuine overhaul of orientation. The biggest and most popular orientation events like Residence Exploration (REX) and Freshman Pre-Orientation Programs (FPOPs) are not going to be cut, though they may see modifications. Other elements of orientation programming — such as Advanced Standing Examinations, FSILG (fraternity, sorority, and independent living group) recruitment, and financing — were recommended for further committee-based review.

FPOPs and REX

Two cornerstone orientation programs — FPOPs and REX —

were seen as strong, high-satisfaction events by the RCO, which gathered data through a series of freshman surveys, interviews, and public forums. "In order to strengthen an already strong program," RCO recommended that all FPOPs have a common end date, engage students throughout the day and evening, and introduce students to MIT's various support resources. All of those recommendations will be implemented for orientation this year, according to a press release from the MIT News Office. Another recommendation — also confirmed to be in force this year — requires FPOP students who stay on campus to pay a housing fee (in the past, FPOP students lived in dorms free-of-charge, though some paid fees for their specific programs). It is not clear how large the fee will be, and DSL/DUE spokespeople could not be reached as of yesterday evening.

REX will continue, but the RCO

Orientation, Page 15



NICHOLAS CHORNAY—THE TECH

A fully-rigged Firefly sailboat is on display in Lobby 10 this week. The sailboat advertised the opening of the MIT Sailing Pavilion on Monday. The Sailing Pavilion offers classes and open sailing to the MIT community.

Report released on dorm security

Intentions to gain student feedback, develop dorm security plans by fall

By Derek Chang
NEWS EDITOR

The Security Committee — charged by Dean for Student Life Chris Colombo to examine residential security issues in undergraduate and graduate dorms in mid-December — submitted its final report in February. According to Senior Associate Dean for Student Life Henry J. Humphreys, security plans for each dorm, which are based on the recommendations in the report, will hopefully be finalized in the fall semester.

Security Committee sought feedback for report

According to Humphreys, the committee was created due to immediate security concerns, such as issues with dormitory desk coverage and the Baker robbery incident in late October. Chaired by John DiFava, MIT chief of police and director of operations and security, and Charles Stewart III, housemaster of McCormick Hall and professor of political science, the committee also consists of Humphreys, Dormitory Council (DormCon) president Ellen McIsaac '12, a Next House Graduate Resident Tutor (GRT), several faculty members, and a member of the Office of Emergency Management. In order to gain a stronger un-

derstanding of residential security and get feedback on what security policies are working, the committee interviewed the key stakeholders of dormitory security — house managers, housemasters, the police department, Nightwatch, desk captains, desk workers, and residents themselves. The committee also looked at findings from the 2008 Task Force on Residential Security formed by Chancellor Phillip L. Clay. According to the report, the recommendations from the Clay Report were generally only partially implemented. DiFava noted that several recommendations from the 2012 Final Report were reiterations of the 2008 recommendations. "I believe security in the residence halls is fundamentally sound," noted DiFava, "but security is a constant, living issue that must be looked at all the time, and could be made tighter or stronger." He commented that this was a general consensus among committee members. DiFava also said of his previous experiences, "I have seen places where there's community push-back, not community embracement of security." "It takes a community to assure the safety and security of itself," Humphreys added.

Dorm security, Page 14

IN SHORT

The MIT Coop will be taking Cap and Gown reservations for Commencement every day this week, 9:30 a.m. – 6:30 p.m. in NE20. Reservations will take place on weekdays until Friday, April 27.

Fourth quarter physical education classes begin on Wednesday. Don't miss your first classes!

The 2012 Spring Career Fair (SCF) will occur on Thursday from 11:00 a.m. to 4:00 p.m. in W20.

Innovation with Excess Capacity to Achieve Speed and Scale, a talk by Buzzcar founder and CEO Robin Case, will take place on Wednesday at 5:30 p.m. in 32-123.

Free cone day at Ben & Jerry's today! Go get a free scoop of ice cream!

Send news information and tips to news@tech.mit.edu.

BALES: MURDERER OR FAMILY MAN?

How the media is invalidating the deaths of 17 people.
OPINION, p. 4

BALLET, YEARS LATER

Returning to the studio was a great decision. **CAMPUS LIFE, p. 10**

MBTA CUTS AND HIKES

How fares the future of the T?
NEWS, p. 11



ZELDA IN CONCERT

The Symphony of the Goddesses pays tribute to 25 years of *The Legend of Zelda*. **ARTS, p. 8**

MANCHESTER TO MIT

The life of a Brit in Boston.
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Noncitizens file lawsuits due to U.S. gay marriage rules

By Julia Preston
THE NEW YORK TIMES

Five legally married gay couples filed a lawsuit Monday to challenge the 1996 law that bars the federal government from recognizing same-sex marriages, arguing that its impact is particularly harsh on couples that include a U.S. citizen and a foreigner.

The lawsuit, filed in U.S. District Court for the Eastern District of New York, was brought by Immigration Equality, a gay rights legal organization that focuses on immigration issues. Same-sex marriage advocates said it was likely to become the most prominent suit seeking to overturn the law, known as the Defense of Marriage Act, based on its effect on gay immigrants who want to gain legal residence through marriage to U.S. citizens.

Under immigration law, a citizen can apply for a foreign spouse to obtain legal permanent residency, with a document known as a green card. Since unlike many other visas, there are no limits on the number of green cards available to spouses of citizens, those applications are

among the fastest and most straightforward procedures in the immigration system.

Under the marriage act, which is called DOMA, federal authorities do not recognize same-sex marriages, even from states that allow them. In recent years, as same-sex marriage became legal in several states, gay and lesbian couples have come forward to say they were facing a painful choice: either deportation for the immigrant or exile to life in a foreign country for the American.

“I’m a citizen of this country just like anybody else,” said Heather Morgan, 36, a plaintiff in the lawsuit together with her spouse, Maria del Mar Verdugo Yanez, 42, who is from Spain. After a 13-year friendship that evolved into a romance, the couple was married in August 2011 in New York City, where they live.

“I’m very proud of this country,” Morgan said in an interview. “I don’t want to feel like I have to leave here in order to be with the person I love. I shouldn’t have to choose,” she said.

Rachel B. Tiven, the executive director of Immigration Equality, said the group tried during the past year

to persuade federal officials to put a hold on deportations of immigrants in same-sex marriages while several challenges to the marriage act made their way through the courts. But federal authorities declined to halt the removals, she said, prompting the group to proceed with the lawsuit. In Feb. 2011, the Obama administration announced that it regarded the central provision of the marriage act as unconstitutionally discriminatory, and said officials would no longer defend it in the courts.

On Wednesday, the 1st U.S. Circuit Court of Appeals in Boston will hear arguments in the first marriage act case to advance to the appeals level. That case contends that the act is unconstitutional because it denies federal benefits to same-sex couples married in Massachusetts, the first state to make same-sex marriage legal.

Justice Department officials have said that they will not defend the core provision of the marriage act in that hearing, but will dispute other claims in the case. A conservative legal group appointed by the House of Representatives will argue in favor of the act.

Pakistani court orders the Bin Laden family to be imprisoned, then deported

By Salman Masood
THE NEW YORK TIMES

ISLAMABAD — A Pakistani court Monday ordered three wives and two adult daughters of Osama bin Laden to complete six weeks in prison for illegally entering the country and then be deported, the family’s lawyer said.

The lawyer, Mohammed Amir Khalil, said Judge Shahrukh Arju- mand had sentenced the five women for violating Pakistani immigration laws and fined each of them about \$110.

Khalil said they would be deported to their respective countries of citizenship by April 15.

“The date of arrest is March 3,” Khalil said. “They will serve another two weeks.”

Bin Laden’s three wives are currently under house arrest in Islamabad. Monday’s hearing took place under strict security as local authorities used the rented house where the family is being held as a

makeshift court.

“The Interior Ministry has been ordered to make necessary arrangement for the family’s repatriation,” Khalil said. “I don’t think it will take more than two weeks to get their passports ready and for clearance” from the ministry.

Khalil said he did not plan to appeal the sentence.

“The wives had confessed to illegally entering the country,” he said. “Courts usually take a lenient view if confessional statements are made.”

The court documents named two of the wives as Khairiah Saber and Siham Sharif, both citizens of Saudi Arabia, as are the two adult daughters who were charged.

The third, and youngest, is Amal Ahmed Abdel-Fatah al-Sada, 30, who is from Yemen. She was wounded in the U.S. raid in which bin Laden was killed. It was unclear how many younger children were still with the women.

Analysts said the speedy con-

viction showed that the Pakistani authorities saw little advantage in continuing to detain the family.

“The wives have probably already told what they would have said publicly after their release,” said Omar R. Quraishi, the opinion pages editor of The Express Tribune, an English-language daily based in Karachi.

“The bin Ladens are also a security headache,” he added, referring to threats by Taliban insurgents last month to carry out suicide attacks against the officials, lawyers and judge involved in the family’s trial.

The wives have been in the custody of Pakistani authorities since May when U.S. Navy SEAL commandos stormed a house in Abbottabad and killed bin Laden.

The raid was highly embarrassing for Pakistan’s military and spy agency, the Inter-Services Intelligence Directorate, which has grappled with accusations of complicity in protecting bin Laden and of incompetence in tracking him.

Federal regulators seek to fine eight more firms in foreclosure inquiry

By Jessica Silver-Greenberg
THE NEW YORK TIMES

Federal regulators are poised to crack down on eight financial firms that are not part of the recent government settlement over home foreclosure practices involving sloppy, inaccurate, or forged documents.

Last week, a senior Federal Reserve official recommended fines for these additional financial institutions, raising questions about how deep foreclosure problems run through the banking industry.

In addition, judges, lawyers and advocates for homeowners say that people are still losing their homes despite improper documentation and other flaws in the foreclosure process often involving these firms.

The eight firms cited by the Federal Reserve — HSBC’s U.S. bank division, SunTrust Bank, MetLife, U.S. Bancorp, PNC Financial Services, EverBank, OneWest and Goldman Sachs — should be fined for “unsafe

and unsound practices in their loan servicing and foreclosure processing,” Suzanne G. Killian, a senior associate director of the Federal Reserve’s Division of Consumer and Community Affairs, told lawmakers last month in a House Oversight Committee hearing in New York.

The recommendation is the culmination of an investigation begun nearly two years ago over accusations that bank representatives were churning through hundreds of documents a day in foreclosure proceedings without reviewing them for accuracy, a practice known as robo-signing.

Some see the Fed’s recommendation as an attempt to push these firms to agree to the terms of the broader mortgage settlement involving the state attorneys general and federal officials. During those settlement talks, federal regulators reached out to other institutions in hopes that they would also agree to the terms, according to people briefed on the negotiations.

Much of the foreclosure attention has focused on the five largest mortgage servicers — Bank of America, Citigroup, JPMorgan Chase, Wells Fargo, and Ally Financial — which agreed to the \$25 billion settlement this year without admitting wrongdoing.

Despite the pledges of the giant servicers to amend their practices, there are signs that foreclosure cases with other companies remain problematic. An examination of dozens of court cases by The New York Times found questionable documents involving some of the eight institutions cited by the Fed.

Arthur M. Schack, a New York state Supreme Court judge in Brooklyn, has cracked down on fraudulent documentation and said he was concerned that foreclosures moving through the courts continued to be flawed. Even after mortgage servicers have been excoriated by a judge in one state, they still use similar documents in other cases in other states, according to the examination.

Justices approve strip-searches for any offense

WASHINGTON — The Supreme Court on Monday ruled by a 5-4 vote that officials may strip-search people arrested for any offense, however minor, before admitting them to jails even if the officials have no reason to suspect the presence of contraband.

Justice Anthony M. Kennedy, joined by the court’s conservative wing, wrote that courts are in no position to second-guess the judgments of correctional officials who must consider not only the possibility of smuggled weapons and drugs but also public health and information about gang affiliations.

About 13 million people are admitted each year to the nation’s jails, Kennedy wrote.

Under Monday’s ruling, he wrote, “every detainee who will be admitted to the general population may be required to undergo a close visual inspection while undressed.”

Justice Stephen G. Breyer, writing for the four dissenters, said strip-searches were “a serious affront to human dignity and to individual privacy” and should be used only when there was good reason to do so.

—Adam Liptak, *The New York Times*

Colombian rebels free 10 hostages

CARACAS, Venezuela — Colombia’s main rebel group on Monday released four soldiers and six police officers it had held hostage for as long as 14 years. The 10 men were thought to be the last remaining noncivilian captives held by the group, which has used kidnapping and drug trafficking to help finance its nearly five-decade war against the Colombian government.

The emotional release of the hostages was sure to feed hopes for peace talks between the government and the rebel group, the Revolutionary Armed Forces of Colombia, known as the FARC. But many analysts said the two sides were still far from achieving the mutual trust that would allow meaningful progress toward ending the conflict.

The rebels are believed to still be holding civilian hostages for ransom, despite pledging in February to renounce kidnapping altogether. The group has not renounced violence, though, carrying out an attack last month that killed 11 government soldiers.

—William Neuman and Jenny Carolina Gonzalez, *The New York Times*

Hungarian president resigns amid plagiarism scandal

The president of Hungary, Pal Schmitt, resigned from his largely ceremonial post Monday amid a storm of criticism over what he called “unfounded allegations” of plagiarism in his 1992 doctoral thesis.

His resignation followed days of political turmoil after the university in Budapest that awarded his doctoral degree stripped it from him last week.

“Based on Hungary’s Constitution, which I have signed, the president expresses national unity,” Schmitt told a plenary session of the country’s Parliament in Budapest. “In this situation when my personal issue divides my beloved nation rather than unites it, I feel it is my duty to end my service and resign my mandate as president.”

—Palko Karasz, *The New York Times*

Britain cites Chechen plot to kill exile

LONDON — The British government and intelligence services have accused “a henchman” of President Ramzan A. Kadyrov of Chechnya of seeking to assassinate a prominent exiled Chechen politician in London, according to court documents revealed here on Sunday.

The subject is a 45-year-old Chechen-born former elite soldier who is referred to only as E1 in the documents. Over the weekend, government lawyers, who were asking to deport him, told judges that he was a threat to national security and had been implicated in a 2009 assassination on behalf of Kadyrov in Vienna.

Though he has had permission to live in Britain with his family since 2003, he should now be removed, they argued, because he has demonstrated a willingness to “undertake actions” that would “put at risk the life” of a political rival to Kadyrov, Akhmed K. Zakayev, who was granted asylum in London in 2003. The precise details of the allegations remain classified.

—Ravi Somaiya, *The New York Times*

Iraq’s fugitive vice president travels to Qatar

BAGHDAD — Iraq’s fugitive Sunni vice president left the country on Sunday for a diplomatic trip to the Persian Gulf state of Qatar, his office announced, a development that threatened to stir new tensions just days after officials in Baghdad hosted a lavish meeting to repair ties with other Arab nations.

And in an escalation of another festering dispute, the Kurdish regional government in northern Iraq announced that it was halting oil exports as a rebuke to the central government in Baghdad. The dispute concerns payments for oil companies working in the semiautonomous north, but at its core, it is a fight over who should control Iraq’s vast oil wealth.

The two disputes lay bare how Iraq is struggling to navigate thorny questions involving justice and its natural resources, conflicts that ignite fierce fights in the government and among sectarian political rivals.

Kurdistan had been exporting 50,000 barrels of oil per day, a fraction of Iraq’s daily exports of more than 2 million barrels. Most of the oil flows south to Basra and leaves Iraq though the Persian Gulf.

—Jack Healy and Duraid Adnan, *The New York Times*

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By Andy Liang
OPINION EDITOR

On March 11, Robert Bales, a 38 year old US soldier, was charged with 17 counts of murder for the deaths of 17 Afghans: nine children, three women, and four men, in the village of Balandi and Alkozai near Camp Belamby. Bales is currently being held in a maximum-security military prison in Fort Leavenworth, Kansas, where he will be tried for his counts of murders and other violations in an Article 32 Hearing. He will likely receive a lifetime prison sentence.

On March 12, the witnesses from the village were interviewed. They recounted that Bales charged into three different homes, shot the family members inside, and set their bodies on fire. Setting corpses on fire is considered a desecration to bodies in Islam. Eleven of the dead were from one family.

But Americans did not read this story — no, the story they saw was quite different.

On March 11, after the public caught wind of Bales's murders, Bales's attorney, John Henry Browne, released a statement about Bales's state-of-mind during his time of the committing the crime. "He was taking medications, but we don't know whether it

was aspirin, heart medicine. We don't know what it was."

But specifically, Bales's lawyer pointed to Bales's unstable emotional states. Earlier this week, Browne told the press that Bales "suffered tremendous depression" after enduring a traumatic brain injury during his third deployment (he was currently on his fourth). There are no reports of illness of Bales's mental health, but Browne is already setting up a plea for insanity for him. The problem is that this is the what Americans

see first. This is an unproven and possibly inaccurate profile of Bales. From these testimonials, viewers are left with the impression that Bales's actions were unintentional. The media paints Bales as a soldier suffering from PTSD — that he was merely stressed, and took it out on 17 people.

The follow-up interviews highlighted Bales's family and neighbors. USA Today spoke with his wife, Karilyn Bales. She says that her husband joined the Army because he wanted to "protect his family, friends and country. He wanted to do his part," she said. "He loves children, he's like a big kid himself."

In Associated Press, Bales's neighbor, Kassie Holland, says that Bales is a family man, often seen playing with his two kids, daughter, Quincy, and son, Bobby, in front of his home. Another neighbor, Paul Wohlberg, says that Bales is "a good guy got put in the wrong place at the wrong time... I never thought something like this would happen to him." Bales is now no longer the soldier with bloodied hands, but the American dad rolling with his kids on his front lawn. With an instilled frame of humanity, the media has now spun the Bales's murders with biased implausibility.

We are made to judge a troubled soldier, a good husband, and an affable neighbor, instead of a criminal. But Robert Bales has gone into a village in Afghanistan and killed 17 people.

Had he been drunk when he made that first kill? Had he been suffering from headaches when he made the second kill? Had he just not been himself when he made the third kill? Had he been the family man who loves children when he took out those kids with bullets to the head? All the way

up to that seventeenth kill, was he merely
upset from missing his wife, stressed, or
confused?

There is a clear disconnect with how we should think of Bales and who is actually was in the time he committed his murders. The American media unequivocally took his defense by paying journalistic attention to his background as an American, and not to the crime itself. In effect, the slain Afghans were blurred out of the picture. The only justice done to them was “17 Afghans were killed.”

When we think of what happened in this village, we should not think of Bales. We should think about the fear on the villagers' faces when they saw this armed American soldier come out from middle of the night, point his gun at them, and shoot down person after person relentlessly, without reason. We should think of that moment when they feel betrayed by the soldiers who set their base nearby, who had represented themselves as peaceful officers. We should think of the tears shed by their families, by their friends, and by their neighbors, and of their unresolved sadness of having their loved ones die.

These murders follow the murders in 2010, in which four Lewis-McChord soldiers were convicted for killings of three Afghan civilians, and this year for NATO burning the Qurans eliciting a pandemonium of protests. Many injustices were done to Afghans without any true retribution for them. This is because the American media itself is not apologetic. That needs to change.

So here's the media changing that: We should not mourn for Bales. We should mourn for the men, women and children whose lives Bales took away.



An infographic about statistics from the Committee on Academic Discipline published on March 23 was incorrectly labeled. Eight of the academic misconduct violations were for “unauthorized collaboration.” In addition, 28 violations missing were from the graph about personal misconduct — they were listed as “other.”

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Dissents are the signed opinions of editorial board members choosing to publish their disagreement with the editorial.

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by Ryan North

1-		14+	448x				135x	
17+				243x				16x
	15x		22+				14x	
1-					14+			4
1-	8x		29+			392x		
	27x			1-	5		54x	
1		2			13+	24+		5
30x		32+				2		1
56x				8x				3

Least Action Principle

by Amanda Aparicio

THE NERDY TRAMP STAMP

* Acceptable catalysts include: • On the rebound • You're Brad Pitt • Question to the answer "42"

Special thanks to the conversation with Becca, Sal, Anthony, and Nahomy

Sudoku II

Solution, page 12

		7	4	1			8	
						9		1
		3		9			4	
			9		8	4	7	
7			1		3			2
	5	4	7		2			
	2			8		7		
9		5						
	3			7	1	6		

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Techdoku II

Solution, page 12

20x	45x	432x			27+		10+	7
		54x				6x		1-
	7-		105x				48x	
6		80x		20+				3
27x	7		4		270x			
	1-		19+			84x		1-
16x		252x		7			1	
	3+		3+			288x		
7		144x				180x		

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1-6. Follow the mathematical operations for each box.

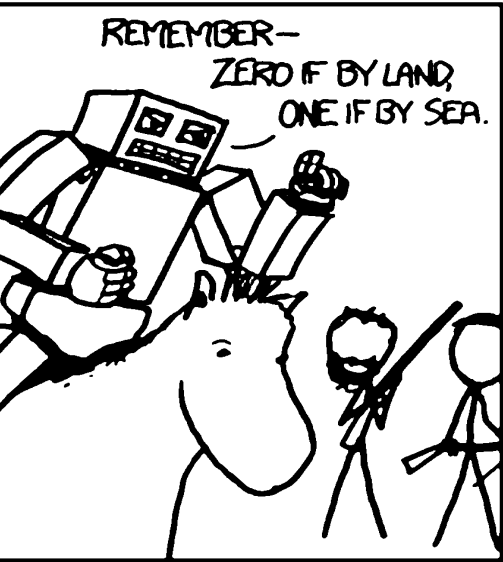


A WEBCOMIC OF ROMANCE,
SARCASM, MATH, AND LANGUAGE
by Randall Munroe

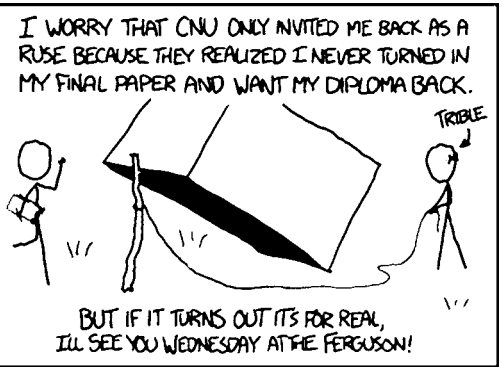
United Kingdom



Boston



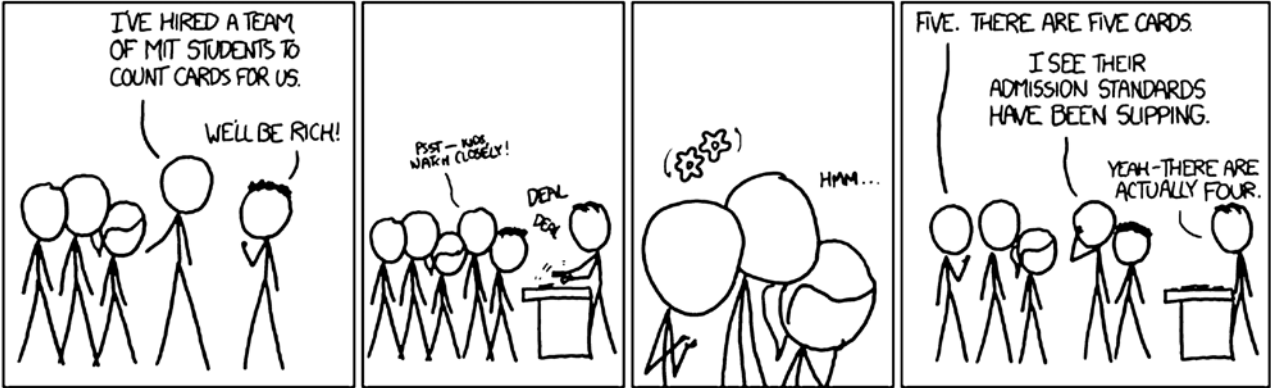
Christopher Newport University



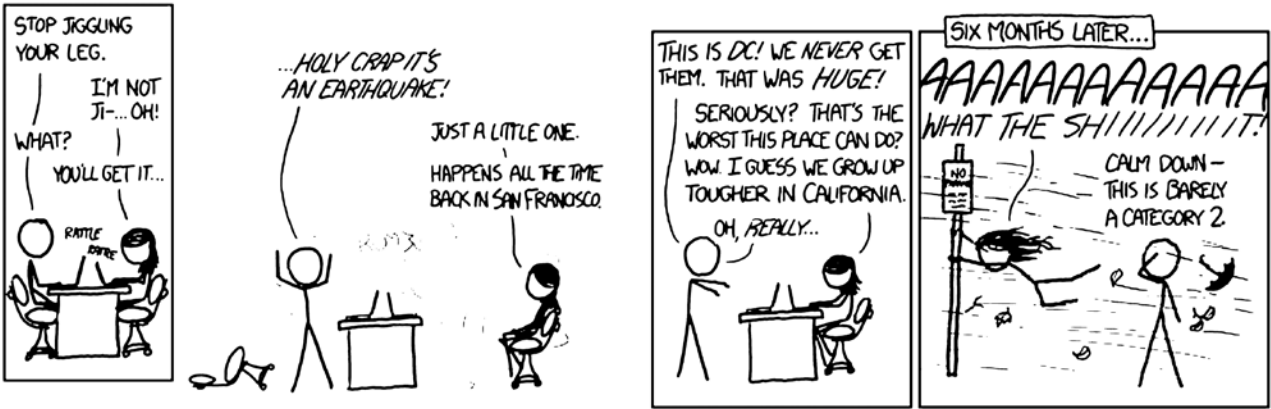
[1037] Umwelt

NOTE: On April 1st, 2012 the comic “Umwelt” varied based on region, network, and service provider

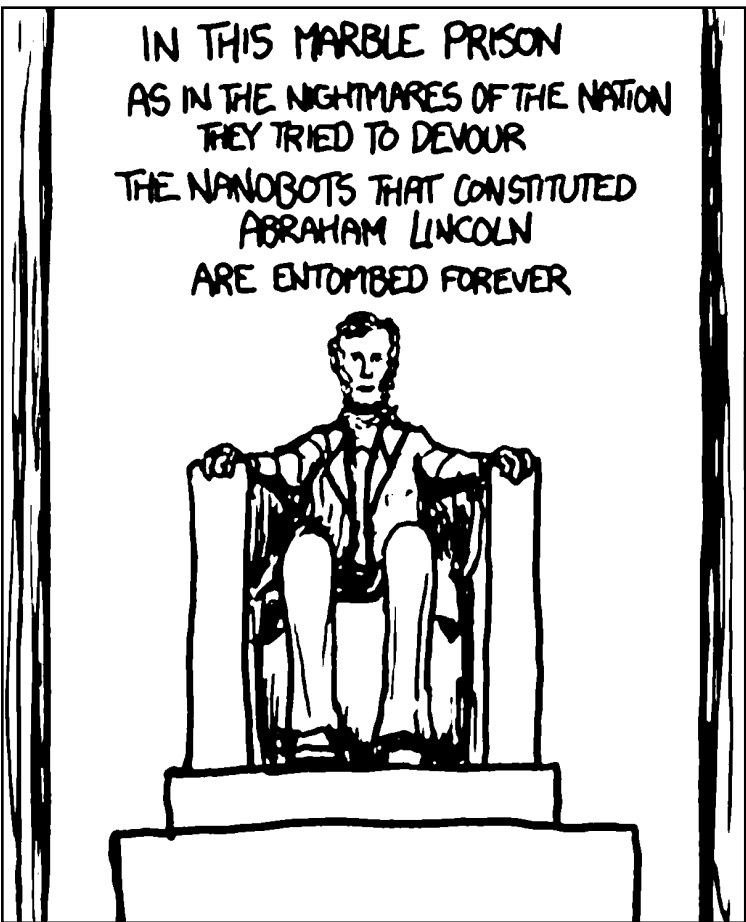
MIT



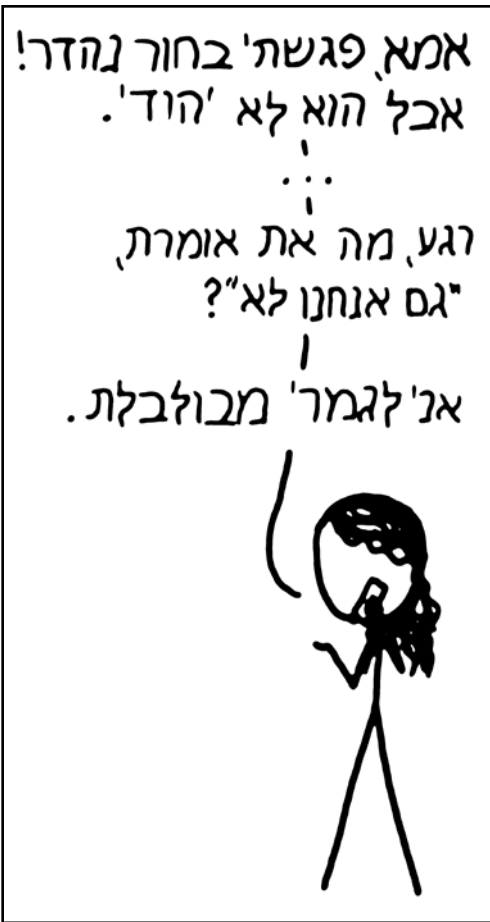
Washington, D.C.



Washington, D.C.



Israel



Umwelt is the idea that because their senses pick up on different things, different animals in the same ecosystem actually live in very different worlds. Everything shapes the world you live in—from your ideology to your glasses prescription to your choice of web browser.

Saturday Stumper by Lester Ruff

Solution, page 15

ACROSS

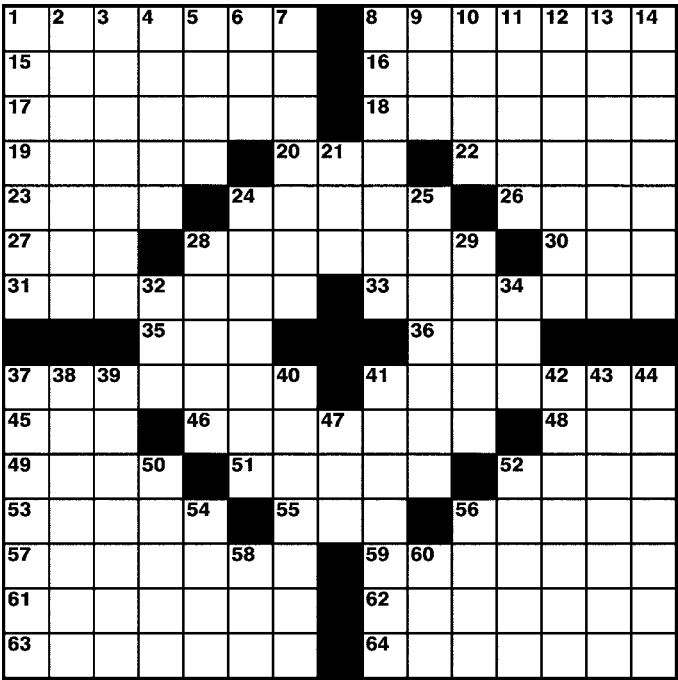
- 1 “First . . .”
- 8 Bucks
- 15 Satisfactorily
- 16 Through
- 17 Glutted
- 18 Campaign poster word
- 19 Lets out
- 20 Teens comment?
- 22 City of 16+ million
- 23 Bit of power
- 24 Not fixed
- 26 Byproduct of organic combustion
- 27 Put away
- 28 Picnic staple
- 30 Symbol on Harris Tweed labels
- 31 Brushes up on
- 33 Literally, “clasp together”
- 35 Impatient listener’s prompt
- 36 Kit and caboodle
- 37 Alarm
- 41 Chief Justice Roberts’ alma mater

- 45 “Birthplace of Confederation”: Abbr.
- 46 Biblical villain
- 48 Queen __
- 49 Noble title
- 51 Angst
- 52 Insignificant quibbles
- 53 Clear sky
- 55 Borrower’s concern
- 56 Shut up and leave
- 57 Abate
- 59 Lady Gaga’s real first name
- 61 Clicked off, perhaps
- 62 Address
- 63 Rash result
- 64 “Last . . .”

DOWN

- 1 Cause of a rumble
- 2 Make go
- 3 First in a line of 260+
- 4 Sign of availability
- 5 Lugs
- 6 __ pack
- 7 Does multiplication on

- 8 Bears
- 9 Draft candidate
- 10 Argued
- 11 Keeps from working
- 12 Skating jump
- 13 Is the best player of
- 14 Don’t press your luck
- 21 Winning streak
- 24 Fussed
- 25 Genesis 8 quest
- 28 Collector’s list
- 29 Sound indignant
- 32 Hammer home
- 34 Certain bike
- 37 One over the limit
- 38 Break across the sea
- 39 Dunce
- 40 Things on some to-do lists
- 41 Learns about
- 42 Presidential wife and mother
- 43 Form of Vitamin A
- 44 Miley Cyrus’ real first name
- 47 Life



- 50 Ushered
- 52 Pact signed in San Antonio in ‘92
- 54 Capacity
- 56 Noodle
- 58 Star Trek: The Next Generation character
- 60 Section starter

A wide-angle photograph of the Boston skyline across the water. The skyline features numerous skyscrapers of varying heights and colors, including shades of blue, grey, and brown. The water in the foreground is calm, reflecting the sky. A small sailboat is visible on the left side of the water.

2013 AAAS ANNUAL MEETING
14–18 February ► Boston
www.aaas.org/meetings

Call for Symposium Proposals

Symposium proposals for the 2013 AAAS Annual Meeting are now being solicited. To submit a proposal, visit www.aaas.org/meetings. ***The deadline for submission is Thursday, 26 April 2012.***

The Beauty and Benefits of Science

The theme for the meeting points to the “unreasonable effectiveness” of the scientific enterprise in creating economic growth, solving societal problems, and satisfying the essential human drive to understand the world in which we live.

The phrase, “unreasonable effectiveness,” was coined in 1960 by physicist Eugene Wigner, who explored the duality of mathematics — both beautiful unto itself, and also eminently practical, often in unexpected ways.

The scientific program will highlight the rich and complicated connections between basic and applied research, and how they bring about both practical benefits and the beauty of pure understanding.

Student Poster Competition

The competition recognizes the individual efforts of students actively working toward an undergraduate, graduate, or doctoral degree. ***Online entries will be accepted beginning 14 May 2012.***

For information about exhibits and sponsorships, contact meetings@aaas.org.



OUTSIDE THE MIT BUBBLE

Ballet, minus tutus and drama

Revisiting dance lessons as an adult is more relaxing and less competitive

By Fabiola Michel

For eight years, I took classical ballet lessons three times a week, or when we were in rehearsal for a play, six times a week. I made my two very best friends there between pirouettes and bleeding toes; we spent our teen years dancing, competing, and laughing while growing up together. However, that magic shattered when I entered college, and my afternoon and evening classes overlapped with the ballet studio schedule. I wasn't able to attend ballet anymore — until now.

I had to look for classes outside MIT because the Institute doesn't have Classical Ballet lessons; still, I found a lot of dance academies in Cambridge and Boston. I chose the Boston Ballet School in the South End; if I was to take ballet lessons I wanted the best school — the one with only ballet floating in the air. I didn't want to be dancing while hearing the reggaeton music from the zumba class next-door.

At the beginning, it felt kind of funny and painful to read the phrase "Adult Classes." Really? Like that? "Adult?" Who? Me? It hurt, but I had to face it, accept it, and embrace

it; and after this irritating process finally register (with a student discount) for my new "adult ballet classes." The cool part of being an "adult" here is that because the classes are open, there isn't a precise program to complete nor a course beginning or

For the first time, I could taste the deliciousness of being in a ballet studio without the pressure to be skinny and toned.

end, so I could go whenever I want and just pay for that class. Thus I don't have to stress over time or money management; both are under my control. No doubt about it, taking the classes was my best idea since arriving in Boston.

The first time I attended was shocking! I was expecting a huge studio full of girls in their 20's, tall and skinny, in pink tights, black long-sleeved leotards and perfect hair buns. Well, I was really surprised (and secretly relaxed) when I saw a huge studio full of girls from 20 to 60 years old, in leggings, tank tops, and perfect hair buns. Some of them were tall and skinny, others had "nor-

mal" bodies, and a few were storing a little extra fat for the next winter.

For the first time, I could taste the deliciousness of being in a ballet studio without the pressure to be skinny and hard toned — that ridiculous pressure that is self-imposed

For the first time, I could taste the deliciousness of being in a ballet studio without the pressure to be skinny and toned.

in ballet academies full of teenagers thirsty to compete even over the smallest and most irrelevant detail. Of course I want a ballerina body! But my body will become fitter at its own pace. And my pace seems so slow since I have a deep and passionate romance with desserts, cheese, pasta, and rustic bread with a spread of real butter and fig marmalade.

Anyway, I am so happy now that I'm taking these classes. I love the class despite the many challenges: 1. Getting there at night, after school and a tiring 25 minute bike ride; 2. Practicing my English listening, since I am not a native speaker; 3. Racking my brain to remember all the movements' French

names; 4. Concentrating to pull in my stomach, close the rib cage, smile, turn the knee, tighten the butt, lengthen the neck, keep the arms up, push back the shoulders, and breathe — all at the same time; 5. Listening to the piano and the teacher while controlling ALL my muscles; and 6. Remembering to enjoy myself... but this comes easy and naturally.

Now, I realize how much I missed that hour and a half for myself, when I could get lost in my thoughts. Depending on my mood, I can listen to the piano and flow; put my complete effort and concentration into making it a real body workout to enjoy that little — or not so little — annoying yet delightful pain the day after; think calmly about outside problems I have to solve; or just have fun with my classmates, trying to avoid a broken leg while attempting a fouette turn.

Crossing the river from Boston back to Cambridge biking at night, stretched, exercised, and with endorphins in the blood is the nicest way to finish my day. What more could I ask for after dancing to piano music than a beautiful view of MIT and the wind on my face?

FROM MANCHESTER TO MIT

An exchange of view

Wellesley and MIT have quite different milieus compared to the University of Manchester

By Antonia Jennings

I was sitting in a taxi on my way to Wellesley, a handful of American monopoly money in my back pocket. I had no real idea what I was getting myself into. I had come from the University of Manchester to study at Wellesley College for a semester, cross registering at MIT. Boston and Wellesley would be my home for the next five months, before heading back to Manchester for my final year. Both extremely exhausted and simultaneously extremely enthusiastic (an unnerving mix of feelings), I arrived in a snow covered Wellesley. As I was to discover, my expectation and the reality can be two very different things.

I'd decided to come over the pond for my semester abroad because I liked the idea of being able to get the most out of two unis (colleges/schools to you guys), something only studying at Wellesley allowed me to do, with its opportunity to cross register at MIT. I envisaged making two great groups of friends, being able to go to all the best academic talks and events each had to offer, and generally flitting around in a dreamy and fulfilling academic bliss. Little did I know that while I would ultimately end up having a good time here, the reality was less Oxford in the 1800s and more 'eat or get eaten' — with any hour of the day being an acceptable time

to be in the library, more cold coffee consumed than healthy, and a competitiveness between students that must be far beyond what is considered normal. This is true of both schools. On my first day in my Wellesley politics class, before I even knew the syllabus was out, one girl announced she had read three weeks ahead of the required readings. Compare this to a first class in Manchester, where although students are motivated and want to achieve, there is always an attitude of 'they'll just be going over the course, it won't be that crucial a class, will it?'

The reality [of my American college experience] was less Oxford in the 1800s and more 'eat or get eaten.'

After ten days of being in the Wellesley bubble, I couldn't wait to break free into MIT, whose comparatively large size meant, to me at least, an escape from Wellesley's social and academic claustrophobia. After only two days there, I had mutual friends with every new person I met. I had gotten to

know some lovely people in Wellesley, but I wanted to meet as many people as possible. And yes, I would've loved to meet some guys! Coming from renting a house with all my guy and girl best friends cooking and cleaning together into an all-girls catered dorm had been quite a shock. For one, I couldn't get used to constantly having a spotless bathroom — it really shouldn't feel like such a luxury!

I had high hopes for 14.05, Intermediate Applied Macroeconomics. Has it lived up to my expectations? Although I am learning economics at a pace faster than what I would've thought was humanly possible, as of yet nobody has spoken to me. A cruel combination of difficulty understanding my lecturer, the speed at which he moves through concepts, and his very MIT habit of adding in extra math, left no room for idle chit-chat. In Manchester, there is at least enough rustling of papers to ask your neighbor what page we're supposed to be looking at — in both Wellesley and MIT, you can't even cough without receiving a disapproving look!

Arriving from Manchester and its two hundred thousand student population to Wellesley with around 1% of that, I had prepared myself for a change in the social scene. What I hadn't fully prepared myself for was the Harvard Asian Brotherhood charity fun-

draiser, which was of the few parties that I heard about. Naïve and enthusiastic as I was, I couldn't wait to go — it would be my first night out on the town! I went along with some of my equally naïve exchange student friends. Out of the six of us, only one was Asian, and only one was over 21. We hadn't quite planned for alcohol, and suddenly realized on the bus that not only did we not have any but we didn't even know where to get some. After walking up and down Mass Ave for half an hour, we found a sad looking liquor store where the 'legal' one of the group bought a rather disgusting looking bottle of rum. The only place open was McDonald's, so after some deliberation that was where we ended up — heels and all. The whole thing was ridiculous nonsense to me; after (legally) drinking in the UK for nearly 3 years I was now pouring rum under the table into my coke in Mackie D's — my friends back home would be in hysterics if they knew! The party itself was average at best — everyone was either far too drunk, horny, or both.

So far, the USA has been great — not at all what I expected, but nonetheless an excellent mix of the surreal, stressful and surprising. I'm writing this on my spring break, which I've decided to fully embrace and go to Florida for. I've seen too many movies with the theme of "WOO SPRING BREAK!" to do otherwise. I'll let you know how I get on.

Susie: Hey Ethan!

Ethan: What's up?

Susie: I'm looking for a job on campus. Do you have any ideas? I like programming and computers.

Ethan: You should join the technology department at The Tech! We pay \$14/hr.

Ethan: You get to learn valuable job skills too!

Susie: Cool, but what if I don't know that much yet?

Ethan: We've got people who can help you out.

Ethan: E-mail join@tech.mit.edu and we'll send you more info!



The MBTA will change fares and services on July 1

Riders to pay an average of 23% more for fares; most services will continue as usual

By Eric Moskowitz
THE BOSTON GLOBE

Get ready to dig deeper to ride the MBTA.

Riders on the public transit system would pay an average of 23 percent more and most service cuts would be spared under a budget-balancing plan announced this morning by the T.

The changes, to take effect July 1, are significantly less severe than the two proposals unveiled by the T in January and widely criticized at hearings throughout Greater Boston in recent months. Those proposals would have relied entirely on fare increases and service cuts to make up the \$160 million deficit the MBTA faces for the upcoming budget year.

Instead, the T hopes to use \$51 million in one-time funds from the state’s motor vehicle inspection program to soften the blow on transit riders, Secretary of Transportation Richard A. Davey said. Other sources — including \$7 million in leftover snow and ice money from the mild winter, and an unexpected \$5 million from a deal to lease the North Station parking garage — help reduce the amount that will need to be made up by transit riders

to about \$90 million, Davey said.

Davey warned in a news conference that the plan was just a one-year fix — and that more unpopular decisions could be ahead.

“I can’t emphasize enough this is a one-year solution. And all things being the same, we will be back in the same position a year from now, looking at service cuts and potentially more fare increases,” he said.

He said the debt service costs on the T’s billions of dollars in debt were rising, along with such costs as employee health insurance and providing service to the disabled. Fare revenue cannot keep pace, he said.

Under the plan unveiled today, subway riders using a CharlieCard would pay \$2 instead of \$1.70 — an 18 percent increase — while bus riders using the prepaid card would pay \$1.50 instead of \$1.25, a 20 percent hike. A monthly bus and subway pass would rise to \$70, from \$59.

Students and seniors would still pay discounted fares, but their discount would shrink. And fares for The Ride, the door-to-door service for the disabled, would double from \$2 to \$4 for riders in the region’s inner core while rising to \$5 in a new

“premium” area in outlying suburban neighborhoods, Davey said.

Instead of deep cuts to service, the T will eliminate four of its nearly 200 bus routes and reduce runs on 14 additional bus routes. It will also eliminate weekend service on three commuter rail lines, Greenbush, Plymouth/Kingston, and Needham.

But the T will largely preserve threatened ferry service and will continue running the Green Line’s E Line trolley to Brigham Circle on weekends — stopping short of Heath but not eliminating it, allowing riders to reach the Longwood Medical Area and nearby art museums — Davey said. Ferry fares will be raised about 35 percent, and the Quincy boat will be eliminated on weekends, with the goal of ending public subsidies for the ferry lines but keeping them operating.

“We’ve spent the last two months out at 30 hearings listening to customers, and our proposal I think reflects what we’ve heard from our customers,” Davey said. “Overwhelmingly, we heard from folks that they were opposed to cuts in service, and we should really look to try to minimize cuts as much as we could — but at the same time realizing the fiscal realities that many customers said they would pay a

little more to maintain service.”

Governor Deval Patrick told reporters at the State House that he agreed the plan was a one-year fix and vowed to put the MBTA’s problems at the top of the legislative agenda next year.

The T will eliminate four of its nearly 200 bus routes and reduce runs on 14 additional bus routes.

“This is neither a permanent nor a comprehensive solution,” he said. “The T will be back in this situation next year.”

“I don’t favor short-term patches,” he said, adding at another point, “This solution is all about patches and plugs.”

Patrick would not offer any suggestions for how to fix the problem, saying, “I’m going to reserve my judgment on what the best solution should be.”

The T last raised fares Jan. 1, 2007. The coming increases — which still need approval from the MBTA board — would keep T fares competitive with those in other major cities, Davey said.

The transfer from the vehicle inspection fund would require the Legislature to tweak a state law that requires that money to be spent on motor vehicle air quality; the money is a surplus remaining from when the inspection sticker was raised to \$29, with most of the fund invested in modernizing motor vehicle inspections, Davey said.

“As we read the statute, we didn’t believe the MBTA fell under that, but frankly I can’t think of any other better air-quality improvement than getting people on public transportation and out of their cars. So we believe this is an appropriate use of that surplus, to at least give the MBTA fiscal flexibility to keep service running,” he said.

The T also for the first time will ask Ride customers to volunteer information about the nature of their trips, a move the MBTA has been reluctant to make in the past for legal reasons. But some of those trips are medically related and could be eligible for federal Medicaid reimbursement, a move that could yield \$5 million but would require legislative action to allow the MBTA and the state Executive Office of Health and Human Services to coordinate on the matter, Davey said.

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by TheShelterPetProject.org











SOLEMN GOOD FRIDAY SERVICE

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MIT Chapel, 12 noon

Service is open to all.



Lutheran Episcopal Ministry at MIT
<http://web.mit.edu/lem>

There are no faith requirements for participation in LEM services or events. ever.

Three tickets to run for UA President and VP

Elected leaders will lead newly-restructured UA and forge relations with new MIT President

UA elections, from Page 1

President Vrajesh Y. Modi '11 and carried on by Miramonti and Wyster in replacing the UA Senate with a 21-member Council.

Next year's UA administration will also need to forge a relationship with a brand-new Institute president. The Presidential Search Committee hopes to finish their work and select a replacement for Susan J. Hockfield by the summer. The next UA President and Vice President take office at the end of the spring term.

Craighead/Walsh

Craighead, for president, and Walsh, for VP, come with an extensive combined background in the UA. Craighead served as a senator from Next House his freshman year, and later as speaker of the Senate. Walsh served as senator for fraternities since his freshman year, and as UA athletics chair since his sophomore year.

Walsh is also president of Sigma Nu, a role he will continue in if elected UA vice president.

The pair are running on a platform of enhanced communication — between the UA and students, the UA and administration, and within the UA itself. Craighead told *The Tech* he wanted the UA to be more responsive to student opinion, and for students to know they could approach the UA with their concerns.

"We want to make it so that the UA can connect with students in a way it hasn't been able to in the past few years," Craighead said. "Not just, 'oh, we're gonna run a survey.'"

Walsh added that, if elected, the pair would work to implement a "Cookies and Conversation"-style series of meetings with randomly-selected undergraduates. The

'We want to make it so that the UA can connect with students in a way it hasn't been able to in the past few years.'

Jonté D. Craighead
UAP CANDIDATE

Chancellor's office and the Division of Student Life have traditionally organized such meetings; Craighead and Walsh said they have already spoken to administrators about bringing the UA on-board.

The pair also say they'll tackle some of the UA's "behavioral" problems, a term the UA has used since last year to describe interpersonal issues and a lack of organizational unity.

"Let's come up with something we can unite the whole organization behind," Craighead said, noting that an enhanced Spring Weekend this year might be a manifestation of that kind of effort.

They also plan to continue the UA's shift from a "war" mode to a "collaboration" mode when it comes to working with the administration. A new MIT president is a key opportunity, Craighead says.

"Having that new president in place is going to be what drives policy on campus for the next 10 years, if not longer," he said. "If we start off this relationship poorly, our ability to influence decisions on campus will be greatly diminished."

Tallapragada/Yang

Tallapragada and Yang, both

UA outsiders, say they'll bring their leadership experience in other arenas to the UA. Tallapragada is the president of The Forum, a student group that holds discussions on

campus issues and other topics. Tallapragada says his ability to facilitate and moderate student discussions is something a UA president needs.

Yang is captain of the heavyweight crew team, and says his ability to motivate teams to achieve goals is something the UA vice president — who is traditionally in charge of the UA's internal workings — will serve him well despite no prior experience in the UA itself.

Like Craighead and Walsh, Tallapragada/Yang also think the UA has communication problems.

"Who exactly speaks for undergraduates?" Yang said. "A lot of students don't know."

The UA should be an "effective conduit and voice for all students," he added.

The duo have also taken a broader policy view, pointing to issues facing undergraduates beyond the usual campus issues like dining and orientation. Tallapragada says that he wants to "assert" the student voice when it comes to MIT's investment and commercial development activities in Cambridge. At the same time, he acknowledges that there are "practical limitations" to students' involvement in

those decisions, and the UA will "operate within those constraints" to get the most for students.

And though they have not been a part of the UA previously, Tallapagada and Yang say they've contacted a host of current and former UA officials to learn more about the organization and where its problems are.

Also like Craighead/Walsh, Tallapragada/Yang say they see restructuring, and the entrance of a new MIT president, as a "golden opportunity" for new leadership.

"You've changed all the variables" that affect how effective the UA could be, says Tallapragada. "It's really a question of motivating human capital."

Deveney/Breton

Deveney and Breton are also UA outsiders — Deveney is a member of the varsity water polo and swim teams, and Breton is Sigma Kappa Vice President of Philanthropic Services.

'Who exactly speaks for undergraduates? A lot of students don't know.'

Andrew C. Yang
UAVP CANDIDATE

"Our experience in the UA is professedly limited, but we hope that our fresh perspective, enthusiasm, and ideas will catalyze our campaign and ensure success in improving the experience of undergraduates at MIT," they wrote in an email to *The Tech*.

Communication was, again, a campaign theme. "[We want to] make sure people know what the UA is doing ... make sure people know what resources are available through the UA," Deveney said.

Deveney wants to make sure that the 'freelance, maverick' MIT student culture isn't stifled by institutional restraints.

Deveney suggested that a website where suggestions for the UA could be voted up or down — similar to reddit.com — could help break the communication barriers between the student body and the UA. The pair would also use the web to provide weekly UA updates and publicize events with a cross-campus appeal.

Their vision for the UA is focused on student life policy. Deveney wants to make sure that the "freelance, maverick" MIT student culture isn't stifled by institutional restraints, especially in light of a new president.

Improvements to the dining system and changes to REX/Orientation also topped their policy considerations. The details of the meal plan implementation can be fine-tuned to better serve students, they say.

Candidate platforms and contact information can be found at <http://elections.scripts.mit.edu/candidates/>.



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If you have questions about this program, or experience difficulty using any features on website, please contact Marlisha McDaniels- mmcd@mit.edu or the ISN Headquarters, NE47-4thFl. 617.324.4700.

***The Army Lab provides the intern's salary, which typically ranges from \$2280/month to \$2864/month depending on class year. Under certain circumstances the ISN can provide the intern with a supplement of up to \$1500 to defray costs of local accommodations and travel.**

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Solution to Sudoku I

from page 5

3	9	8	1	2	6	7	4	5
1	7	5	3	4	9	6	8	2
2	6	4	5	7	8	1	9	3
6	8	3	7	9	5	4	2	1
5	2	1	4	8	3	9	7	6
7	4	9	6	1	2	3	5	8
4	5	7	2	6	1	8	3	9
8	3	6	9	5	7	2	1	4
9	1	2	8	3	4	5	6	7

Solution to Techdoku I

from page 5

5	4	6	2	7	8	1	3	9
7	6	8	4	9	1	3	5	2
4	3	5	1	6	7	9	2	8
9	8	1	6	2	3	5	7	4
3	2	4	9	5	6	8	1	7
2	1	3	8	4	5	7	9	6
1	9	2	7	3	4	6	8	5
6	5	7	3	8	9	2	4	1
8	7	9	5	1	2	4	6	3

Solution to Sudoku II

from page 6

2	9	7	4	1	5	3	8	6
8	4	6	3	2	7	9	5	1
5	1	3	8	9	6	2	4	7
1	6	2	9	5	8	4	7	3
7	8	9	1	4	3	5	6	2
3	5	4	7	6	2	8	1	9
6	2	1	5	8	9	7	3	4
9	7	5	6	3	4	1	2	8
4	3	8	2	7	1	6	9	5

Solution to Techdoku II

from page 6

1	5	6	2	9	4	8	3	7
5	9	1	6	4	8	3	7	2
4	8	9	5	3	7	2	6	1
6	1	2	7	5	9	4	8	3
3	7	8	4	2	6	1	5	9
9	4	5	1	8	3	7	2	6
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7	2	3	8	6	1	5	9	4

In Florida, intersection of tragedy, race, outrage

Protest in Sanford during weekend to demand justice for 17-year-old Trayvon Martin

By Dan Barry,
Serge F. Kovaleski,
Campbell Robertson
and Lizette Alvarez
THE NEW YORK TIMES

SANFORD, Fla. — Once again, a river of protest raged through Sanford this weekend to demand justice in the name of an unarmed black teenager shot dead. It gathered strength in front of the historic Crooms Academy, the first high school for black students in Seminole County, surged through the streets, and formed a flood of grief and outrage just outside the Sanford Police Department.

Once again, thousands chanted the name of Trayvon Martin, 17, the youth killed with one bullet while returning to a home in a gated community. Once again, they cried for the arrest of George Zimmerman, 28, the neighborhood watch coordinator who has claimed self-defense under a Florida law with the assertive name of Stand Your Ground.

With five weeks’ passage, the fateful encounter between a black youth who wanted to go to college and a Hispanic man who wanted to be a judge has polarized the nation.

And, now this modest central Florida community finds its name being mentioned with Selma and Birmingham on a civil rights list held sacred in black American culture, while across the country, the national parsing of the case has become cacophonous and political, punctuated by pleas for tolerance, words of hatred, and spins from the left and right.

The racial divide that once partly defined Sanford, with U.S. Highway 17-92 serving as the inviolable line separating black and white, has faded over the decades, leaving a casually integrated downtown. Yet the sense remains among residents of both races that the Police Department has not come as far as the city as a whole.

Velma Williams, its sole black city commissioner, calls Sanford “a small, friendly, good city.” But she said that a string of unsolved cases had raised questions whether the police had a “cavalier attitude” whenever “a black male is murdered.”

Nonsense, countered its acting police chief, Darren Scott, who is also black. “Everyone here in the city gets fair and equal treatment.”

That assertion of justice for all — in Sanford and throughout the U.S. — has been challenged, though, by a progression of events that began so innocently, so ordinarily: A teenage boy in a gray hooded sweatshirt leaves a 7-Eleven’s neon brightness with his purchase of some candy and an iced tea, and heads back into the wet Sunday evening of Feb. 26, back to a residential complex with a forbidding gate and a comforting name.

Trayvon Martin was more than welcome there; he was expected.

For more than two years, Trayvon’s father, Tracy Martin, a truck driver from Miami, had been dating Brandy Green, a juvenile detention officer in Orlando. She lived at the Retreat with her 14-year-old son, Chad, and it was not uncommon for the Martins to drive up from Miami for overnight visits. Trayvon’s mother, Sybrina Fulton, who was divorced from Tracy Martin, worked for the Miami-Dade County housing agency.

More than 6 feet tall and lanky, Trayvon was interested in girls, computer games, sports and the beat of the rap and hip-hop emanating from the ear buds of his smartphone. Sleeping in Miami Dolphins bed sheets, he was all teenage boy, and more.

But Trayvon was a teenager, not an angel. In his last year at his high school in north Miami-Dade County, he had received three suspensions — for tardiness, for graf-

fiti and, most recently, for having a baggie with a trace of marijuana in his backpack. Tracy Martin said that he had taken Trayvon with him to Sanford to keep him from hanging around Miami, doing nothing, and to talk some sense into him.

These recent problems, all non-violent, hardly reflected the essence of Trayvon Martin, his family and friends say. He was kindhearted, even-tempered and very thoughtful. That night, for example, while his father and Green were out having dinner in Orlando, Trayvon asked Chad, Green’s son, if he wanted anything from the store.

Skittles, the younger boy said.

A wary community

The teenager with candy entered the Retreat at Twin Lakes, either passing the front gate or taking a not-so-secret shortcut. Here was an orderly cluster of 260 or so sandy-colored, two-story town houses.

In August, the homeowners association decided to create a neighborhood watch, and a Sanford police official came to the Retreat to explain the guidelines: Volunteers do not possess police powers; they should not be armed; and they should be the eyes and ears for the police — but not vigilantes.

The group chose as its neighborhood watch coordinator the very man who had invited the official to speak: a man with thinning dark hair and an average build named George Zimmerman. The next month, the newsletter for the homeowners association included a cartoon of a man peering through a magnifying glass, a la Sherlock Holmes, next to a call for help:

“We have recently experienced an increased incidence of crime within the community, including three break-ins in the past month, which is why having residents committed to being members of the Neighborhood Watch and reporting suspicious activities is so important. We must send a message that we will not tolerate this in our community!”

To get involved, the newsletter said, “Call George Zimmerman.”

From Virginia to Florida

Now, on this dark, wet night, the neighborhood watch coordinator for the Retreat at Twin Lakes — armed with a licensed, slim 9-mm handgun that he kept in a holster tucked in his waistband — was in his truck when he noticed a hooded figure walking through the complex.

He may have been about to go on an errand to Target, as he later told his family, but his commitment to vigilance kicked in. This, it seems, was part of who George Zimmerman was.

He, too, was from someplace else — the second of three children raised in a red-brick home in a cul-de-sac in Manassas, Va. His father, Robert, a magistrate judge and a veteran of the Vietnam War, and his mother, Gladys, a Peruvian immigrant who worked as a deputy court clerk, ran a disciplined household that emphasized service, responsibility and the Roman Catholic faith. After graduating from high school in 2001, Zimmerman moved to Florida, into a home that his parents had just bought for their retirement in Lake Mary, near Sanford. He began working as an insurance agent with an uncle, but he became a mortgage broker when the real estate market started booming.

When his parents retired to Florida around 2006, Zimmerman moved into an apartment in Lake Mary with a friend. Then the housing market went bust and, according to his father, his son’s employer went out of business. After that, he held several jobs, including at CarMax and Target. He also talked about becoming a police officer.

He seemed to be a young man in search of a path, one who could also show flashes of violence, according to court records detailing Zimmer-

man’s difficult summer of 2005. That July, he was arrested after pushing a state alcohol agent during a raid to root out underage drinking at a popular college bar; the felony charge was reduced and then dropped altogether when he agreed to enter a pre-trial diversion program.

About a month later, Zimmerman and a woman who identified herself as his ex-fiancee traded petitions for injunction, both claiming that the other had resorted to violence: She said he “smacked” her, he said she hit him with a baseball bat. Both injunctions were issued and they expired a year later.

Still, Zimmerman seemed to have a protective streak — a sense of right and wrong — that others admired. For example, Stephanie, a neighbor of the elder Zimmermans in Lake Mary and a family friend, recalled how George Zimmerman struck up a friendship with one of her sons, Douglas, who is autistic, swimming with him, taking him for car rides and letting him play with his dog, Princess.

“He just felt comfortable with George,” she said. “For Dougie, everything was George, George, George.”

But not everyone saw Zimmerman as their protector. A 17-year-old African-American, Teontae Amie, who lives at the Retreat, recalled that Zimmerman once wrongly accused his friend of stealing a bike.

“When you see him, you think automatically that he might try something,” said Teontae, who added that he kept his distance from the neighborhood watch coordinator.

Zimmerman, then, was a watchdog. And here in the night rain came another suspicious person, in a hood.

George Zimmerman dialed 911.

‘A real suspicious guy’

“Hey, we’ve had some break-ins in my neighborhood,” Zimmerman said to start the conversation with the dispatcher. “And there’s a real suspicious guy.”

This guy seemed to be up to no good; like he was on drugs or something; in a gray hoodie. Asked to describe him further, he said, “He looks black.”

“Now he’s just staring at me,” he said.

The incomplete knowledge of the next six minutes, from about 7:11 to about 7:17, comes from recorded 911 calls; a few witnesses who often heard more than saw; Zimmerman’s account, as told to others; the police account, as told to the Martin and Zimmerman families; and a 16-year-old girlfriend in Miami who was on the telephone at the time with Trayvon.

Zimmerman told the dispatcher that this “suspicious guy” was in his late teens, with something in his hands. He asked the dispatcher how long it would be before an officer arrived, because “These assholes, they always get away.”

Around the same time, Trayvon told the girlfriend he was talking to by cellphone that somebody was watching him, according to Benjamin Crump, a lawyer for Trayvon’s family. The lawyer said that the girl, whose name has not been released, said she told Trayvon to run — and that Trayvon responded by saying: “I’m going to walk fast.”

Zimmerman told the dispatcher that the hooded figure was now running. He jumped out of his car to follow him, the beep-beep of his car, as recorded on the 911 call, announcing the instant that he moved beyond his understood mandate as neighborhood watch coordinator.

The wind could be heard whooshing through Zimmerman’s cellphone as he tried to keep the visitor in view. Also heard is a garbled epithet that some have interpreted to be a racial slur, though his father insisted that his son would never say anything like that. Dispatcher: “Are you following him?”

Zimmerman: “Yeah.”

Dispatcher: “OK, we don’t need you to do that.”

Zimmerman: “OK.”

He and the dispatcher arranged for Zimmerman to meet a police officer near the mailboxes at the development’s clubhouse, and the call ended with a “thank you” and a “you’re welcome.”

Some of what happened next, along a poorly lighted path that runs between the back ends of two long rows of town houses, is lost to the night.

According to what the girlfriend has told Crump, Trayvon asked the man why he was following him, and the man responded by asking what Trayvon was doing there. She said she heard what sounded like the earpiece to Trayvon’s cellphone falling away before the line went dead. There was no answer when she tried calling back.

Zimmerman’s father provided a different account, based on his conversations with his son. He said that George Zimmerman had lost sight of the hooded figure and was beginning to walk back to his vehicle when Trayvon appeared from his rear left side. He also described a conversation that began far differently than the one recalled by the

girl on the phone.

“He did not see Trayvon until he was right there,” he said, at which point, Trayvon, cursing, asked if George Zimmerman had “a problem.”

“And George said, ‘No, I don’t have a problem,’ or ‘No, there is no problem.’ And Trayvon said, ‘ÄYou do now,’ and he punched George in the nose.”

However it started, witnesses described to the 911 dispatcher what resulted: the neighborhood watch coordinator, 5-feet-9-inches and 170 pounds, and the visitor, 6-feet-1 and 150, wrestling on the ground.

Screams for help echoed off the backs of town houses. Hearing those screams, now preserved on recorded 911 calls, Sybrina Fulton, Trayvon’s mother, says they are the cries of her baby. And Robert Zimmerman says they are the pleas of his younger son, George.

No one answered those calls for help. But several people called 911. A man reported “they’re wrestling right in the back of my porch.” A boy said that he was about to help when his dog slipped his leash and he had to track the animal down. A woman called to report the screams, a report that was underscored by the plaintive wail in the background.

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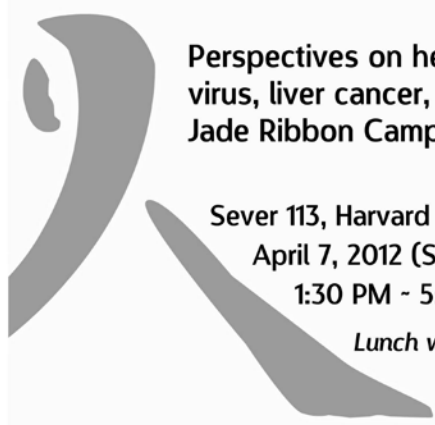
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Recommendations made for security

Goal to implement plans in fall

Dorm security, from Page 1

The report made recommendations on residential security, desk security, and physical improvements, such as potential security cameras at dorm entrances.

McIsaac commented that graduate dorms require special attention. She noted there were additional security concerns because many are either in poorly lit surroundings or lack desk workers, and that many inhabitants in these dorms have children.

The pros and cons of professional desk workers will be further examined, Humphreys said, noting the possibility of desk worker policy changes in the fall and commenting that professional desk workers should be “given serious consideration.”

Future outreach to address dorms’ individual needs

With the work of the Security Committee completed, Humphreys plans to lead an outreach program for all dorms this term, with the ultimate goal of creating finalized security plans tailored to each dorm. Ideally, these will be done in the fall “as quickly as we reasonably can, hopefully during the first month of school,” said Humphreys.

As part of the outreach effort, he plans to schedule meetings with each residential hall in the coming weeks to receive student feedback on security and the findings of the report. The DormCon president, the president and executive board of the residential halls, and the dorm housemasters should be present at the meetings, which will also be open to students in the dorms.

Humphreys expects housemasters to publicize these meetings to students. “They are leaders of the community and are part of the community, so they have a vested interest in what goes in the building,” he said.

Both Humphreys and DiFava noted that each dorm had different security needs, and that a “one-size-fits-all” approach would not cater to these differences.

After the first round of meetings,

Humphreys and Dennis Collins, director of housing, will evaluate student feedback on security, examine security conditions in each dorm, and talk to the Undergraduate Association (UA) and DormCon presidents about student communication methods to determine the next steps in implementation of the recommendations. There are tentative plans for open forums in each individual residence hall to garner further feedback.

‘Students must be educated and take ownership of the buildings as far as security goes in the building.’

Dennis Collins
DIRECTOR OF HOUSING

By the end of the semester, Humphreys hopes to gain substantial student feedback and secure a professional consulting company specializing in security to help develop plans for each dorm. The company will examine each dorm’s security personnel, policies and procedures, and technology.

Over the summer, Humphreys’ and Collins’ primary goal is to work with the yet-to-be-found consulting company on developing initial security plans for each dorm. To finalize plans, Humphreys intends to schedule another round of dorm meetings to receive feedback on security plans developed over the summer.

Humphreys urges students who have opinions on residential security to attend the initial security meetings in their dorms, or share thoughts with dorm leaders or housemasters. He also encourages students to email him directly with constructive feedback, concerns, or criticism.

“Students must be educated and take ownership of the buildings as far as security goes,” said Humphreys. “An engaged community is most conducive to a good security system.”

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Review Committee on Orientation releases report

REX and FPOPs will see few changes, FSILG recruitment scheduling to be determined

Orientation, from Page 1

said that “students do not participate in REX because they want to transfer to another residence, and high levels of participation in REX does not make the adjustment lottery decision easier.” MIT should “rearticulate that [REX’s] primary purpose is to welcome first-year students to the Institute and to the residential community,” according to the News Office release.

In that vein, the RCO recommended that REX become a time for “community building and sustaining diverse dormitory cultures,” and that REX events conflict less with other orientation activities. Additionally, the RCO suggested that REX events be scheduled at any point during orientation, not necessarily limited to before the housing adjustment lottery.

FSILG Recruitment

The report indicated that the issue of fraternity, sorority, and independent living group recruitment was the RCO’s most contentious. In general, FSILG-affiliated student committee

members advocated for the status quo — recruitment following orientation — while faculty thought recruitment might be too early and too fast. RCO recommended forming another group to specifically evaluate the timing of Recruitment and potential “financial and social implications” of moving Rush/Recruitment to a later time.

Separate from the timing of recruitment, RCO recommended that FSILGs be allowed to participate in orientation events like the Activities Midway. “Because of the important and positive role [FSILGs] play on campus, we can see no reason for a blanket ban against their participation in orientation and recommend that all such bans be lifted.”

Other, smaller orientation programs may see more significant alterations, and the MIT News Office confirmed in a release yesterday that some of these recommendations will be implemented for orientation this year. City Days, for instance, will be replaced by a bigger community service event during the academic year. And the “Tuesday

night event” held during Orientation week will be replaced by “dorm-wide community building activities.”

RCO also recommended that “an in-depth cost accounting study” of orientation be conducted. Costs for regular orientation programming have been historically covered by the Institute, and REX alone costs upwards of \$600,000. RCO recommended that MIT charge an “orientation fee” to cover orientation programming, housing, and meal costs, though this recommendation has been classified as “long-term” and is not confirmed for implementation this year.

RCO was formed in March 2011 and met for the final time on Jan. 24. Their report was presented to Dean for Undergraduate Education Daniel E. Hastings PhD ’80 and Dean for Student Life Chris Colombo in mid-February.

RCO is a 16-member committee — five faculty (including three housemasters), five administrators (most from DUE or DSL), and six students (see sidebar).

RCO Committee Members

Faculty

- Christopher Capozzola — Associate Professor History
- John Essigman PhD ’76 — Professor Biological Engineering, Housemaster Simmons
- June L. Matthews PhD ’67 — Professor Physics
- Merritt Roe Smith (Chair) — Professor STS and History, Housemaster Burton-Conner
- Charles H. Stewart — Professor Political Science, Housemaster McCormick

Staff

- Barbara A. Baker — Senior Associate Dean, Student Life
- Nina Davis-Millis — MIT Libraries, Housemaster Random
- Henry J. Humphreys — Senior Associate Dean, Student Life
- Julie B. Norman — Senior Associate Dean, Undergraduate Education
- Elizabeth C. Young — Associate Dean, Undergraduate Education

Students

- Alicia T. Singham Goodwin ’14 — Course 6, East Campus
- Patrick A. Hulin ’14 — Course 18, East Campus
- Rachel E. Meyer ’12 — Course 6, Off-Campus
- Kim M. Sparling ’12 — Course 1, Panhel
- Tim J. Stumbaugh ’12 — Course 6, IFC
- TyShaun Wynter ’13 — Course 21E, New House

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Solution to Crossword
from page 7

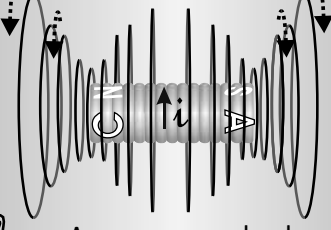
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Karl M. Soresen '15 bats in the ninth inning against Babson College on Friday March 23. MIT lost 0-12, but came back to win against Babson 6-5 the following day. Currently, the baseball team has an overall record of 9-9.

TIFFANY HUANG—THE TECH

Tough winds on water at Beanpot

Crew places 3rd in 2nd varsity 4

By Rebecca Heywood
TEAM REPRESENTATIVE

On Saturday, March 24, the MIT Openweight Women's Crew team opened the spring season at the 6th annual Beanpot Regatta. MIT competed against crews from Harvard-Radcliffe, Northeastern, Boston College and Boston University in the regatta that pits the Charles River's D-I teams against each other. All the boats faced tough conditions on choppy water and a strong tail wind.

The first varsity 4 faced stiff competition and finished fifth in its race with a time of 8:05.4. The second varsity 4 led the day with a strong race, fighting to maintain contact with the crew from Northeastern to finish in third place with a time of 8:01.0. In the second varsity 8, MIT finished fifth with a time of 7:08.2.

The varsity 8 race was Tech's closest race of the day. While Radcliffe and Boston University took an early lead, MIT battled with Northeastern for third place down the entire length of the course. The crews remained nearly even over the entire length of the race. MIT finished in 6:38.9, only 0.6 seconds behind Northeastern, the closest margin MIT has ever had with the 9th ranked crew in the EAWRC conference.

Jean H. Sack '13, bow seat in the varsity boat, said, "I am incredibly excited about the speed and camaraderie that we have already found this season. Saturday proved that we are the fastest we have ever been, and are ready to see what we can do going forward!"

The Engineers spent spring break training on the river and are preparing to travel to Washington, D.C. for the George Washington Invitation on April 6 and 7 to compete against teams including Navy, George Washington, Duquesne and Georgetown.

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